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TO: EXAMINER Shawn S. An  
EXAMINER'S TELEPHONE NUMBER 703-305-0099  
ART UNIT 2613  
SERIAL NO. 09/913,670  
  
FROM: Edward W. Goodman  
REGISTRATION NO. 28,613

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Enclosed: R116 Response + Cover

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Atty. Docket

GERARD DE HAAN ET AL. PHNL 000643

Serial No.: 09/913,670 Group Art Unit: 2613

Filed: August 17, 2001 Examiner: S.S. An

Title: ESTIMATION OF MOVEMENTS IN VIDEO IMAGES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is an amendment in the above-identified application.

[ X ] No additional fee is required.

[ ] The fee has been calculated as shown below.

CLAIMS AS AMENDED				
	Claims remaining after amendment	Highest number previously paid for	Number extra	Rate
Total Claims	7 Minus 20 <sup>1</sup> =		X \$50 =	\$
Independent Claims	4 Minus 4 <sup>2</sup> =		X \$200 =	\$
Multiple Dependent Claims, if any. If not previously paid, \$360.				\$
Total Additional fee for this amendment				= \$

<sup>1</sup>If less than 20, enter 20. <sup>2</sup>If less than 3, enter 3.

Please charge any fees which may be required, except the issue fee, or credit any overpayment to Deposit Account No. 14-1270.

  
Edward W. Goodman, Reg. 28,613  
914-333-9611

JAN 20 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

GERARD DE HAAN ET AL.

PHNL 000643

SERIAL NO.: 09/913,670

GROUP ART UNIT: 2613

FILED: August 17, 2001

EXAMINER: S.S. An

## ESTIMATION OF MOVEMENTS IN VIDEO IMAGES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

RESPONSE UNDER 37 C.F.R. 1.116

This is in response to the Office Action mailed December 28, 2004, in which the Examiner has finally rejected claims 1 and 4 under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 5,450,133 to Herpel et al.; claims 2 ,3 and 5 under 35 U.S.C. 103(a) as being unpatentable over Herpel et al. in view of International Patent Application No. WO 99/16251 to De Haan et al., and claim 7 under 35 U.S.C. 103(a) as being unpatentable over Herpel et al. in view of U.S. Patent 5,933,535 to Lee et al.

Applicants traverse the above rejections and offer the following explanations.

The Herpel et al. patent discloses motion compensated adaptive vertical filtering of an image representative signal in which a motion parameter generator generates picture-by-picture